

Amendments to the Claims

1. (currently amended) A method of manipulating image data, comprising the steps of:
 - a) receiving the image data at a processor, wherein the image data is in an aperiodic cell format;
 - b) sampling the image data into a predetermined periodic format.
2. (original) The method as claimed in claim 1 wherein the aperiodic cell format is Ammann tiles.
3. (original) The method of claim 1 wherein the predetermined periodic format is that used for a printer description language.
4. (original) The method of claim 1 wherein the predetermined periodic format is PostscriptTM.
5. (original) The method of claim 1 wherein the predetermined periodic format is SVGA.
6. (original) The method of claim 1 wherein the predetermined periodic format is XGA.
7. (original) The method of claim 1 wherein the predetermined periodic format is VGA.
8. (original) The method of claim 1 wherein the predetermined periodic format is SXGA.
9. (currently amended) A method of manipulating image data, comprising the steps of:
 - a) receiving the image data at a processor, wherein the image data is in a periodic cell format;
 - b) sampling the image data into ~~an~~ a non-random, aperiodic cell format.
10. (original) The method of claim 9 wherein the periodic cell format is VGA.
11. (original) The method of claim 9 wherein the periodic cell format is SVGA.
12. (original) The method of claim 9 wherein the periodic cell format is XGA.
13. (original) The method of claim 9 wherein the periodic cell format is SXGA.

14. (original) The method of claim 9 wherein the periodic cell format is used for a printer description language.

15. (original) The method of claim 9 wherein the aperiodic cell format uses Ammann tiling.

16. (currently amended) An imaging system, comprising:

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- a) an aperiodic input device, wherein the input device produces image data in aperiodic format;
- b) an aperiodic output device, wherein the output device renders an image represented by the image data produced by the input device aperiodically.

17. (original) The method of claim 1 wherein the input device is a scanner.

18. (original) The method of claim 1 wherein the input device is a camera.

19. (original) The method of claim 1 wherein the output device is a printer.

20. (original) The method of claim 1 wherein the output device is a display.